Subject: Re: Automatic truncation of trailing dimension.....
Posted by Liam E. Gumley on Tue, 27 Nov 2001 21:32:01 GMT
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Paul van Delst wrote:
>
> .....of an array when the dimension size is 1 is a real pain in the ass. Given:
>
> IDL> x=fltarr(100,1,15)
> IDL> help, x
> X FLOAT = Array[100, 1, 15]
>
> Is there anyway to prevent:
>
> IDL> help, x[*,*,1]
> <Expression> FLOAT = Array[100]
> IDL>
>
> i.e. to give:
> <Expression> FLOAT = Array[100,1]
>
> Argh wot a pain.

I take it you mean

<Expression> FLOAT = Array[100, 1, 1]

Does your code absolutely require it? In many cases, you can use the two interchangeably.

If you must maintain the dimensions:

IDL> dims = size(x, /dimensions)
IDL> index = 1
IDL> help, reform(x[*, *, index], dims[0], dims[1], 1)
<Expression> FLOAT = Array[100, 1, 1]

Cheers,
Liam.
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